

SEMICONDUCTOR DEVICE AND ITS FABRICATING PROCESS

Publication number: JP2004047806 (A)

Publication date: 2004-02-12

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Classification:

- international: H01L21/02; H01L21/76; H01L21/762; H01L21/8238; H01L27/08; H01L27/092; H01L27/12; H01L29/78; H01L29/786; H01L21/02; H01L21/70; H01L27/08; H01L27/085; H01L27/12; H01L29/66; (IPC1-7): H01L21/02; H01L21/76; H01L21/762; H01L21/8238; H01L27/08; H01L27/092; H01L27/12; H01L29/78; H01L29/786

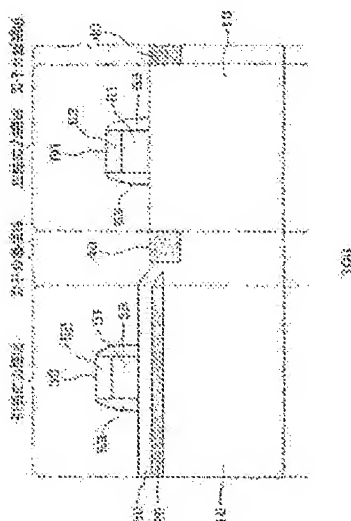
- European:

Application number: JP20020204409 20020712

Priority number(s): JP20020204409 20020712

Abstract of JP 2004047806 (A)

PROBLEM TO BE SOLVED: To provide a semiconductor device equipped with semiconductor elements in which stress of a region where the semiconductor elements are formed is controlled to improve mobility of electric charges, to provide its fabricating process and further to provide a semiconductor device fabricating process in which less crystal defect and less crystal transition are generated in a semiconductor element forming region even if a SOI structure is partially formed, and furthermore to provide the semiconductor device fabricated by the process. ; **SOLUTION:** The semiconductor device is provided with a semiconductor substrate 10, a first region that covers continuously an insulating layer 20 and its upper portion that are partially provided on a surface of the semiconductor substrate 10 and includes a semiconductor layer 30 at least whose one end is connected to the semiconductor substrate 10, a second region in which the first region is near thereto and there exists no insulating layer 20 near the surface of the semiconductor substrate 10, and a first semiconductor element 50 formed in the semiconductor layer 30 on the insulating layer 20 in the first region. ; **COPYRIGHT:** (C)2004,JPO



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